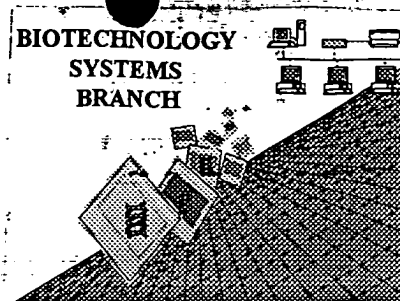


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/497,997

Source: 1648

Date Processed by STIC: 12/26/2000

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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/497,997

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS: (Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

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1648

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Does Not Comply
Corrected Diskette NeededRAW SEQUENCE LISTING
PATENT APPLICATION: US/09/497,997DATE: 12/26/2000
TIME: 14:24:34Input Set : A:\06600166.txt
Output Set : N:\CRF3\12262000\1497997.raw

3 <110> APPLICANT: TERNYNCK, THERESA
 4 AVRAMEAS, ALEXANDRE
 5 BUTTIN, GERARD
 6 AVRAMEAS, STRAITIS
 7 SARON, MARIE-FRANCOISE
 8 BLONDEL, BRUNO
 9 COUDERC, THERESA
 10 MICHELSON, SUSAN
 11 ZIPETO, DONATO
 13 <120> TITLE OF INVENTION: VECTORS DERIVED FROM ANTIBODIES FOR TRANSFERRING SUBSTANCES INTO CELLS
 15 <130> FILE REFERENCE: 0660-0166-0XCONT
 17 <140> CURRENT APPLICATION NUMBER: 09/497,997
 18 <141> CURRENT FILING DATE: 2000-02-04
 20 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01740
 21 <151> PRIOR FILING DATE: 1998-08-04
 23 <160> NUMBER OF SEQ ID NOS: 35
 25 <170> SOFTWARE: PatentIn version 3.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 17
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Artificial/Unknown
 32 <220> FEATURE:
 33 <221> NAME/KEY: misc_feature
 34 <222> LOCATION: ()..()
 35 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide.
 38 <400> SEQUENCE: 1
 40 Thr Arg Gln Lys Tyr Asn Lys Arg Ala Met Asp Tyr Trp Gly Gln Gly
 41 1 5 10 15
 43 Thr
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 17
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Artificial/Unknown
 51 <220> FEATURE:
 52 <221> NAME/KEY: misc_feature
 53 <222> LOCATION: ()..()
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide.
 57 <400> SEQUENCE: 2
 59 Thr Arg Gln Lys Tyr Gly Lys Arg Gly Met Asp Tyr Trp Gly Gln Gly
 60 1 5 10 15
 62 Thr
 65 <210> SEQ ID NO: 3
 66 <211> LENGTH: 18
 67 <212> TYPE: PRT
 68 <213> ORGANISM: Artificial/Unknown
 70 <220> FEATURE:
 71 <221> NAME/KEY: misc_feature

Per 1.823 of new sequence rules, the only
 valid (2137) responses are: Unknown,
 Artificial Sequence, or Scientific name
 (Genus/species)

one of the three -
 they cannot be
 combined

give source of
 genetic material -
 see circled portion
 of item 12 on
 Error Summary sheet

RAW SEQUENCE LISTING DATE: 12/26/2000
 PATENT APPLICATION: US/09/497,997 TIME: 14:24:34

Input Set : A:\06600166.txt
 Output Set: N:\CRF3\12262000\I497997.raw

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72 <222> LOCATION: ()..()
73 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
76 <400> SEQUENCE: 3
78 Thr Arg Gln Ala Arg Ala Thr Trp Asp Trp Phe Ala Tyr Trp Gly Gln
79 1           5           10           15
81 Gly Thr
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 22
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial/Unknown
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <222> LOCATION: ()..()
92 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
95 <400> SEQUENCE: 4
97 Val Ala Tyr Ile Ser Arg Gly Gly Val Ser Thr Tyr Tyr Ser Asp Thr
98 1           5           10           15
100 Val Lys Gly Arg Phe Thr
101           20
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 21
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial/Unknown
108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <222> LOCATION: ()..()
111 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
114 <400> SEQUENCE: 5
116 Val Ala Tyr Ile Ser Arg Gly Gly Gly Ile Phe Tyr Tyr Glu Asp Ser
117 1           5           10           15
119 Ile Lys Gly Arg Phe
120           20
122 <210> SEQ ID NO: 6
123 <211> LENGTH: 23
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial/Unknown
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: ()..()
130 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
133 <400> SEQUENCE: 6
135 Val Ala Ala Ile Ser Arg Gly Gly Gly Tyr Ser Tyr Tyr Leu Asp Ser
136 1           5           10           15
138 Val Lys Gly Arg Phe Thr Ile
139           20
141 <210> SEQ ID NO: 7
142 <211> LENGTH: 30
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial/Unknown

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Input Set : A:\06600166.txt
Output Set: N:\CRF3\12262000\I497997.raw

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146 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: ()..()
149 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
152 <400> SEQUENCE: 7
154 Val Ala Tyr Ile Ser Arg Gly Gly Val Ser Thr Tyr Tyr Ser Asp Thr
155 1 5 10 15
157 Val Lys Gly Arg Phe Thr Arg Gln Lys Tyr Asn Lys Arg Ala
158 20 25 30
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 12
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial/Unknown
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <222> LOCATION: ()..()
168 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
171 <400> SEQUENCE: 8
173 Ala Arg Gln Lys Tyr Asn Lys Arg Ala Met Asp Tyr
174 1 5 10
176 <210> SEQ ID NO: 9
177 <211> LENGTH: 31
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial/Unknown
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: ()..()
184 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
187 <400> SEQUENCE: 9
189 Cys Val Ala Tyr Ile Ser Arg Gly Gly Val Ser Thr Tyr Tyr Ser Asp
190 1 5 10 15
192 Thr Val Lys Gly Arg Phe Thr Arg Gln Lys Tyr Asn Lys Arg Ala
193 20 25 30
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 30
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial/Unknown
200 <220> FEATURE:
201 <221> NAME/KEY: misc_feature
202 <222> LOCATION: ()..()
203 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
206 <400> SEQUENCE: 10
208 Val Ala Tyr Ile Ser Arg Gly Gly Val Ser Thr Tyr Tyr Ser Asp Thr
209 1 5 10 15
211 Val Lys Gly Arg Phe Thr Arg Gln Lys Tyr Asn Lys Arg Ala
212 20 25 30
214 <210> SEQ ID NO: 11
215 <211> LENGTH: 26
216 <212> TYPE: DNA

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TECH CENTER 1600/294

RAW SEQUENCE LISTING DATE: 12/26/2000
 PATENT APPLICATION: US/09/497,997 TIME: 14:24:34

Input Set : A:\06600166.txt
 Output Set: N:\CRF3\12262000\I497997.raw

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217 <213> ORGANISM: Artificial/Unknown
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: ()..()
222 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
225 <400> SEQUENCE: 11
226 qttctgacta qtgggcactc tgggct                26
229 <210> SEQ ID NO: 12
230 <211> LENGTH: 26
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial/Unknown
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: ()..()
237 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
240 <400> SEQUENCE: 12
241 gaggttcagc tcgagcagtc tggggc                26
244 <210> SEQ ID NO: 13
245 <211> LENGTH: 26
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial/Unknown
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: ()..()
252 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
255 <400> SEQUENCE: 13
256 gaggtgaagc tcgaggaaLc tggagg                26
259 <210> SEQ ID NO: 14
260 <211> LENGTH: 25
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial/Unknown
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: ()..()
267 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
270 <400> SEQUENCE: 14
271 gaagtgcagc tcgaggagtc tgggg                25
274 <210> SEQ ID NO: 15
275 <211> LENGTH: 26
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial/Unknown
279 <220> FEATURE:
280 <221> NAME/KEY: misc_feature
281 <222> LOCATION: ()..()
282 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
285 <400> SEQUENCE: 15
286 gaggttcagc tcgagcagtc tggagc                26
289 <210> SEQ ID NO: 16
290 <211> LENGTH: 17

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RAW SEQUENCE LISTING DATE: 12/26/2000
 PATENT APPLICATION: US/09/497,997 TIME: 14:24:34

Input Set : A:\06600166.txt
 Output Set: N:\CRF3\12262000\I497997.raw

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291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial/Unknown
294 <220> FEATURE:
295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: ()..()
297 <223> OTHER INFORMATION: Description of Artificial Sequence peptide
300 <400> SEQUENCE: 16
302 Thr Arg Gln Lys Tyr Asn Lys Arg Ala Met Asp Tyr Trp Gly Gln Gly
303 1 5 10 15
305 Thr
308 <210> SEQ ID NO: 17
309 <211> LENGTH: 18
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial/Unknown
313 <220> FEATURE:
314 <221> NAME/KEY: misc_feature
315 <222> LOCATION: ()..()
316 <223> OTHER INFORMATION: Description of Artificial Sequence peptide
319 <400> SEQUENCE: 17
321 Thr Arg Gln Lys Tyr Asn Lys Lys Arg Gly Met Asp Tyr Trp Gly Gln
322 1 5 10 15
324 Gly Thr
327 <210> SEQ ID NO: 18
328 <211> LENGTH: 18
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial/Unknown
332 <220> FEATURE:
333 <221> NAME/KEY: misc_feature
334 <222> LOCATION: ()..()
335 <223> OTHER INFORMATION: Description of Artificial Sequence peptide
338 <400> SEQUENCE: 18
340 Thr Arg Gly Ala Arg Ala Thr Trp Asp Trp Phe Ala Tyr Trp Gly Gln
341 1 5 10 15
343 Gly Thr
346 <210> SEQ ID NO: 19
347 <211> LENGTH: 21
348 <212> TYPE: PRT
349 <213> ORGANISM: Artificial/Unknown
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: ()..()
354 <223> OTHER INFORMATION: Description of Artificial Sequence peptide
357 <400> SEQUENCE: 19
359 Val Ala Tyr Ile Ser Arg Gly Gly Val Ser Thr Tyr Tyr Ser Asp Thr
360 1 5 10 15
362 Val Lys Gly Arg Phe
363 20
365 <210> SEQ ID NO: 20
366 <211> LENGTH: 22

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VERIFICATION SUMMARY

DATE: 12/26/2000

PATENT APPLICATION: US/09/497,997

TIME: 14:24:35

Input Set : A:\06600166.txt

Output Set: N:\CRF3\12262000\I497997.raw